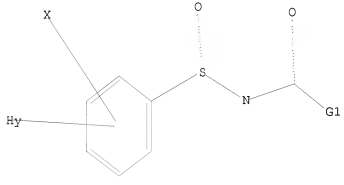
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 11:Atom
12:Atom 14:CLASS 15:Atom 16:CLASS 17:CLASS 18:CLASS

L9 STRUCTURE UPLOADED

=> d l9
L9 HAS NO ANSWERS
L9 STR



G1 S,O

Structure attributes must be viewed using STN Express query preparation.

=> s l9 sss sam
SAMPLE SEARCH INITIATED 17:58:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 554 TO ITERATE

100.0% PROCESSED 554 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 9668 TO 12492
PROJECTED ANSWERS: 1 TO 80

L10 1 SEA SSS SAM L9

=> s l9 sss full
FULL SEARCH INITIATED 17:59:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 10958 TO ITERATE

100.0% PROCESSED 10958 ITERATIONS 52 ANSWERS
SEARCH TIME: 00.00.01

L11 52 SEA SSS FUL L9

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=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                   179.28     645.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -40.80

FILE 'CAPLUS' ENTERED AT 18:00:08 ON 30 APR 2008
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FILE COVERS 1907 - 30 Apr 2008  VOL 148 ISS 18
FILE LAST UPDATED: 29 Apr 2008  (20080429/ED)

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=> s l11
L12           6 L11

=> d ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 6 ANSWERS - CONTINUE? Y/(N):y

L12  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:        2005:71176  CAPLUS <<LOGINID::20080430>>
DOCUMENT NUMBER:         142:176857
TITLE:                   Preparation of fused aryl and heteroaryl derivatives,
                         in particular pyrazolo[3,4-d]pyrimidines, as
                         modulators of G-coupled protein receptor and their use
                         in the prophylaxis and treatment of metabolic
                         disorders
INVENTOR(S):             Jones, Robert M.; Semple, Graeme; Xiong, Yifeng; Shin,
                         Young-Jun; Ren, Albert S.; Calderon, Imelda;
                         Fioravanti, Beatriz; Choi, Jin Sun Karoline; Sage,
                         Carlton R.
PATENT ASSIGNEE(S):      Arena Pharmaceuticals, Inc., USA
SOURCE:                  PCT Int. Appl., 320 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
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LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007658	A2	20050127	WO 2004-US22417	20040713
WO 2005007658	A3	20050616		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004257267	A1	20050127	AU 2004-257267	20040713
CA 2532971	A1	20050127	CA 2004-2532971	20040713
US 20050059650	A1	20050317	US 2004-890549	20040713
US 7132426	B2	20061107		
EP 1644375	A2	20060412	EP 2004-756935	20040713
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1829718	A	20060906	CN 2004-800201172	20040713
BR 2004012689	A	20061003	BR 2004-12689	20040713
JP 2007531698	T	20071108	JP 2006-520271	20040713
IN 2006KN00071	A	20070727	IN 2006-KN71	20060109
MX 2006PA00554	A	20060703	MX 2006-PA554	20060113
NO 2006000688	A	20060407	NO 2006-688	20060213
US 20060142262	A1	20060629	US 2006-355785	20060216
US 20070072844	A1	20070329	US 2006-602162	20061120
US 20070082874	A1	20070412	US 2006-602176	20061120

PRIORITY APPLN. INFO.:
US 2003-487443P P 20030714
US 2003-510644P P 20031010
US 2004-890549 A3 20040713
WO 2004-US22417 W 20040713
US 2006-355785 A1 20060216

OTHER SOURCE(S): CASREACT 142:176857; MARPAT 142:176857
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

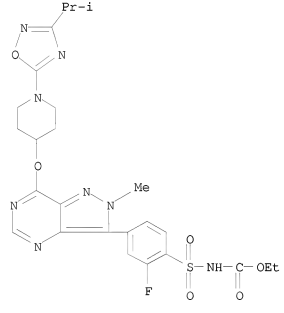
AB Title compds. I [wherein A, B = independently (un)substituted alkylene; D = O, S, SO, SO2, etc.; E = N, C, CH and derivs.; K = (un)substituted cyclo/alkylene; Q = NH and derivs., O, S, SO, SO2; T, M, J = independently N, CH and derivs.; U, W, Z = independently C, N; V = a bond, N, CH and derivs.; X, Y = independently O, S, N, CH and derivs., NH and derivs.; Ar1 = (un)substituted hetero/aryl; their pharmaceutically acceptable salts, hydrates and solvates] were prepared as modulators, in particular agonists and inverse agonists of G-coupled protein receptor (RUP3), for treating

diabetes, hyperglycemia and other metabolic disorders. Ten biol. examples are given. For example, II was prepared, in 5 steps, from 4-(methylsulfonyl)phenylhydrazine•HCl, ethoxymethylenemalononitrile and 4-chloro-1-(4-methylsulfonylphenyl)-1H-pyrazolo[3,4-d]pyrimidine. Selected I displayed EC50 < 10 μM in a melanophore-based pigment dispersion assay. Selected RUP3 agonists I lowered blood glucose levels in rats in an oral glucose tolerance test. Thus, I are useful in the prophylaxis or treatment of metabolic disorders and complications thereof, such as, diabetes and obesity.

IT 832719-79-6P, 3-Fluoro-4-[7-[[1-(3-isopropyl-[1,2,4]oxadiazol-5-yl)piperidin-4-yl]oxy]-2-methyl-2H-pyrazolo[4,3-d]pyrimidin-3-yl]-N-propionylbenzenesulfonamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of fused aryl and heteroaryl derivs., in particular pyrazolopyrimidines, as modulators of G-coupled protein receptor and their use in treatment of diabetes, hyperglycemia and related diseases)

RN 832719-79-6 CAPLUS

CN Carbamic acid, [[2-fluoro-4-[2-methyl-7-[[1-[3-(1-methylethyl)-1,2,4-oxadiazol-5-yl]-4-piperidinyl]oxy]-2H-pyrazolo[4,3-d]pyrimidin-3-yl]phenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



L12 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:872785 CAPLUS <<LOGINID::20080430>>
DOCUMENT NUMBER: 141:366241
TITLE: Preparation of dioxopyrimidinylbenzenesulfonamides as herbicides, desiccants, and defoliants.
INVENTOR(S): Hamprecht, Gerhard; Puhl, Michael; Reinhard, Robert;

Seitz, Werner; Zagar, Cyrill; Witschel, Matthias; Landes, Andreas
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 144 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004089914	A1	20041021	WO 2004-EP3624	20040406
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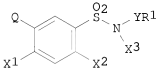
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1613607	A1	20060111	EP 2004-725933	20040406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004009221	A	20060328	BR 2004-9221	20040406
JP 2006522760	T	20061005	JP 2006-505008	20040406
US 20060211577	A1	20060921	US 2005-551988	20051005

PRIORITY APPLN. INFO.: DE 2003-10316311 A 20030408
WO 2004-EP3624 W 20040406

OTHER SOURCE(S): MARPAT 141:366241
GI



I

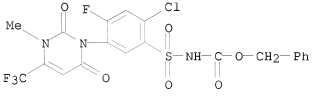
AB Title compds. [I; X1 = H, halo; X2 = H, cyano, CSNH2, halo, alkyl, haloalkyl; X3 = H, cyano, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, (substituted) phenylalkyl; Y = C(:A)B, SO2, SO2NR2; A = O, S; B = O, S, NR2, bond; R1 = H, halo, OH, (substituted) alkyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, alkoxy, cycloalkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, aralkyl, heterocyclyl, heteroaryl, heteroarylalkyl; R2 = H, (halo-substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R1R2N = (substituted) heterocyclyl; Q = specified azolyl, azinyl residues], were prepared as herbicides, desiccants, and defoliants (no data). Thus, 2-chloro-4-fluoro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-trifluoromethyl-(2H)-pyrimidin-1-yl]benzenesulfonyl isocyanate (preparation

given) and N-methylisopropylamine were stirred overnight in 1,2-dichloroethane to give 42% 3-[4-chloro-2-fluoro-5-[[isopropyl(methyl)amino]carbonylaminosulfonyl]phenyl]-1-methyl-2,4-dioxo-6-trifluoromethyl-1,2,3,4-tetrahydropyrimidine.

IT 779341-34-3P 779341-48-9P 779341-49-0P
779341-50-3P 779341-51-4P 779341-52-5P
779341-53-6P 779341-54-7P 779341-55-8P
779341-56-9P 779341-57-0P 779341-58-1P
779341-59-2P 779341-60-5P 779341-61-6P
779341-62-7P 779341-63-8P 779341-64-9P
779341-65-0P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of dioxopyrimidinylbenzenesulfonamides as herbicides, desiccants, and defoliants)

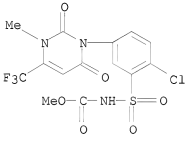
RN 779341-34-3 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



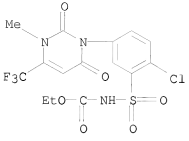
RN 779341-48-9 CAPLUS

CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

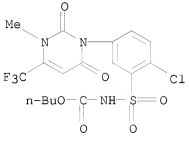


RN 779341-49-0 CAPLUS

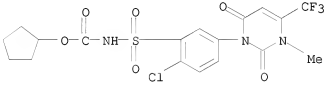
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



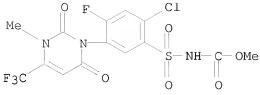
RN 779341-50-3 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, butyl ester (9CI) (CA INDEX NAME)



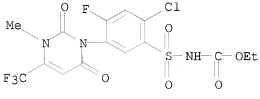
RN 779341-51-4 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, cyclopentyl ester (9CI) (CA INDEX NAME)



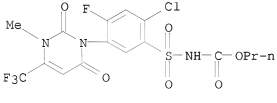
RN 779341-52-5 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



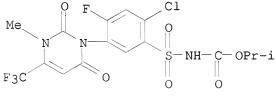
RN 779341-53-6 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 779341-54-7 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, propyl ester (9CI) (CA INDEX NAME)

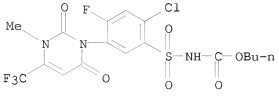


RN 779341-55-8 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 1-methylethyl ester (9CI) (CA INDEX NAME)

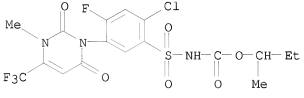


RN 779341-56-9 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

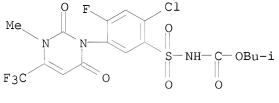
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, butyl ester (9CI) (CA INDEX NAME)



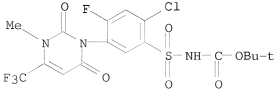
RN 779341-57-0 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 1-methylpropyl ester (9CI) (CA INDEX NAME)



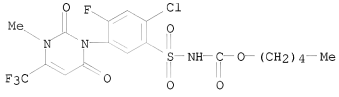
RN 779341-58-1 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



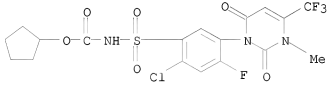
RN 779341-59-2 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



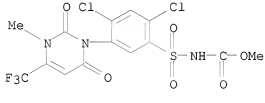
RN 779341-60-5 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, pentyl ester (9CI) (CA INDEX NAME)



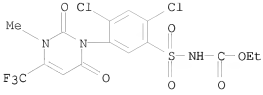
RN 779341-61-6 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, cyclopentyl ester (9CI) (CA INDEX NAME)



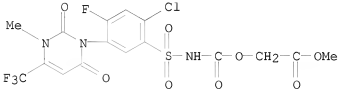
RN 779341-62-7 CAPLUS
CN Carbamic acid, [[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



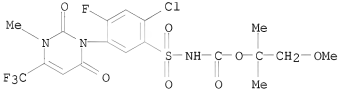
RN 779341-63-8 CAPLUS
CN Carbamic acid, [[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 779341-64-9 CAPLUS
CN Acetic acid, 2-[[[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]amino]carbonyl]oxy]-, methyl ester (CA INDEX NAME)



RN 779341-65-0 CAPLUS
CN Carbamic acid, [[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, 2-methoxy-1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



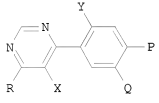
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:287836 CAPLUS <<LOGINID::20080430>>
DOCUMENT NUMBER: 140:321372
TITLE: Preparation of phenylpyrimidine derivatives as herbicides
INVENTOR(S): Kuragano, Takashi; Ikeda, Hajime
PATENT ASSIGNEE(S): Sumitomo Chemical Takeda Agro Company, Limited, Japan
SOURCE: PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

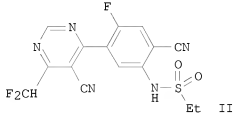
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004029030	A1	20040408	WO 2003-JP12289	20030925
W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EG, GD, GE, HR, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, RU, SC, SG, SY, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004137266	A	20040513	JP 2003-332534	20030924
AU 2003272893	A1	20040419	AU 2003-272893	20030925
PRIORITY APPLN. INFO.:			JP 2002-281120 A	20020926
			WO 2003-JP12289 W	20030925

OTHER SOURCE(S): MARPAT 140:321372

GI



I



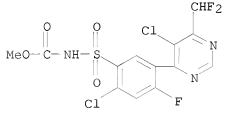
II

AB The title compds. I [wherein R = haloalkyl or (un)substituted alkoxy; P = CN or halo; Q = H, CN, alkyl, cycloalkyl, OH, SH, alkoxy, etc.; X = halo or CN; Y = H or F] or salts thereof are prepared as herbicides. For example, the compound II was prepared in a multi-step synthesis. Some of compds. I killed 100% weeds at the concentration of 1 g/a.

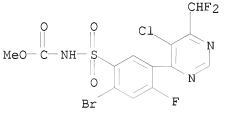
IT 677776-25-9P 677776-38-4P 677776-51-1P
677776-54-4P 677776-78-2P 677776-85-1P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(herbicide; preparation of phenylpyrimidine derivs. as herbicides)

RN 677776-25-9 CAPLUS

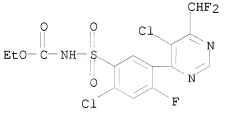
CN Carbamic acid, [[2-chloro-5-[5-chloro-6-(difluoromethyl)-4-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



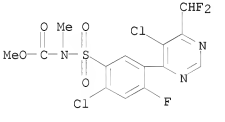
RN 677776-38-4 CAPLUS
CN Carbamic acid, [[2-bromo-5-[5-chloro-6-(difluoromethyl)-4-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



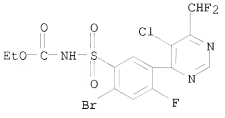
RN 677776-51-1 CAPLUS
CN Carbamic acid, [[2-chloro-5-[5-chloro-6-(difluoromethyl)-4-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



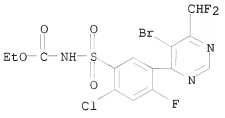
RN 677776-54-4 CAPLUS
CN Carbamic acid, [[2-chloro-5-[5-chloro-6-(difluoromethyl)-4-pyrimidinyl]-4-fluorophenyl]sulfonyl]methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 677776-78-2 CAPLUS
CN Carbamic acid, [[2-bromo-5-[5-chloro-6-(difluoromethyl)-4-pyrimidinyl]-4-fluorophenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



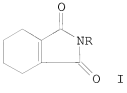
RN 677776-85-1 CAPLUS
CN Carbamic acid, [[5-[5-bromo-6-(difluoromethyl)-4-pyrimidinyl]-2-chloro-4-fluorophenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



L12 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1994:134277 CAPLUS <<LOGINID::20080430>>
DOCUMENT NUMBER: 120:134277
TITLE: Preparation of tetrahydrophthalimide as herbicides
INVENTOR(S): Akutagawa, Kunihiko; Yamada, Junji; Yoshikawa, Harutoshi
PATENT ASSIGNEE(S): Takeda Chemical Industries Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 376 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05194386	A	19930803	JP 1992-251814	19920807
PRIORITY APPLN. INFO.:			JP 1991-298604	A1 19910809

OTHER SOURCE(S): MARPAT 120:134277
GI

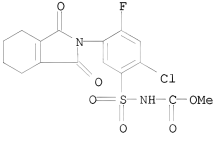


AB Title compds. I [R = (un)substituted sulfamoylphenyl] are prepared E.g., refluxing a mixture of 4-chloro-5-(aminosulfonyl)aniline and 3,4,5,6-tetrahydrophthalic anhydride in HOAc for 1 h 30 min gave the title compound I [R = 4-chloro-3-sulfamoylphenyl]. I [R = 2-fluoro-4-chloro-5-(methylsulfamoyl)phenyl] (also prepared) at 10 g/are showed 100% kill against Ipomoea purpurea.

IT 153091-16-8P 153091-21-5P 153091-79-3P
153091-80-6P 153091-81-7P 153091-82-8P
153091-83-9P 153091-84-0P 153091-85-1P
153091-86-2P 153091-87-3P 153091-88-4P
153091-91-9P 153091-92-0P 153091-93-1P
153091-94-2P 153092-25-2P 153092-26-3P
153092-32-1P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as herbicide)

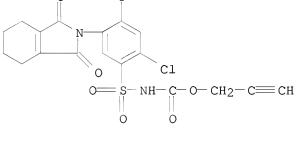
RN 153091-16-8 CAPLUS

CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



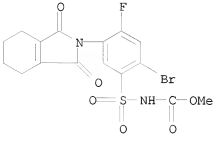
RN 153091-21-5 CAPLUS

CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, 2-propynyl ester (9CI) (CA INDEX NAME)

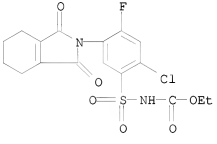


RN 153091-79-3 CAPLUS

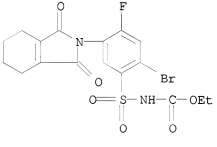
CN Carbamic acid, [[2-bromo-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



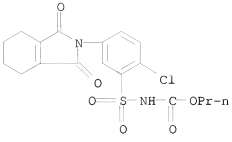
RN 153091-80-6 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



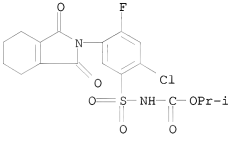
RN 153091-81-7 CAPLUS
CN Carbamic acid, [[2-bromo-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



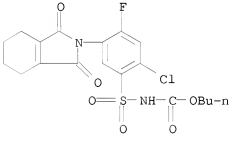
RN 153091-82-8 CAPLUS
CN Carbamic acid, [[2-chloro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, propyl ester (9CI) (CA INDEX NAME)



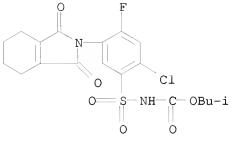
RN 153091-83-9 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



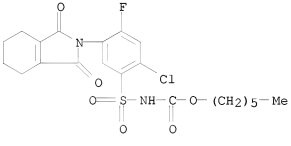
RN 153091-84-0 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, butyl ester (9CI) (CA INDEX NAME)



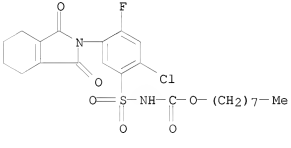
RN 153091-85-1 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



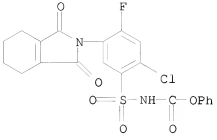
RN 153091-86-2 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, hexyl ester (9CI) (CA INDEX NAME)



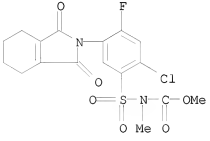
RN 153091-87-3 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, octyl ester (9CI) (CA INDEX NAME)



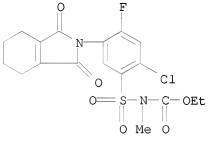
RN 153091-88-4 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-, phenyl ester (9CI) (CA INDEX NAME)



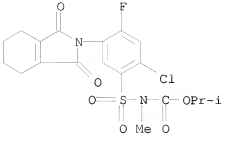
RN 153091-91-9 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]methyl-, methyl ester (9CI) (CA INDEX NAME)



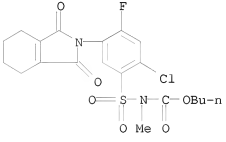
RN 153091-92-0 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]methyl-, ethyl ester (9CI) (CA INDEX NAME)



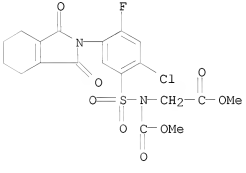
RN 153091-93-1 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]methyl-, 1-methylethyl ester (9CI) (CA INDEX NAME)



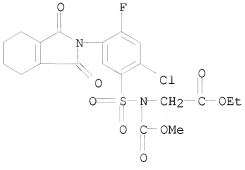
RN 153091-94-2 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]methyl-, butyl ester (9CI) (CA INDEX NAME)



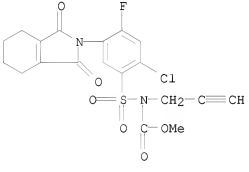
RN 153092-25-2 CAPLUS
CN Glycine, N-[[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-N-(methoxycarbonyl)-, methyl ester (CA INDEX NAME)



RN 153092-26-3 CAPLUS
CN Glycine, N-[[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-N-(methoxycarbonyl)-, ethyl ester (CA INDEX NAME)



RN 153092-32-1 CAPLUS
CN Carbamic acid, [[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]sulfonyl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)

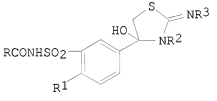


L12 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1977:453265 CAPLUS <<LOGINID::20080430>>
DOCUMENT NUMBER: 87:53265
ORIGINAL REFERENCE NO.: 87:8451a,8454a
TITLE: Thiazolidine derivatives
INVENTOR(S): Lang, Hans Jochen; Muschaweck, Roman
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 54 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2546165	A1	19770428	DE 1975-2546165	19751015

GB 1563323	A	19800326	GB 1976-41722		19761007
NL 7611159	A	19770419	NL 1976-11159		19761008
FI 7602920	A	19770416	FI 1976-2920		19761013
DK 7604640	A	19770416	DK 1976-4640		19761014
NO 7603502	A	19770418	NO 1976-3502		19761014
AU 7618691	A	19780420	AU 1976-18691		19761014
AT 7607655	A	19800115	AT 1976-7655		19761014
AT 358030	B	19800811			
HU 174587	B	19800228	HU 1976-HO1931		19761014
CA 1083581	A1	19800812	CA 1976-263345		19761014
BE 847352	A1	19770415	BE 1976-171562		19761015
SE 7611504	A	19770416	SE 1976-11504		19761015
JP 52051364	A	19770425	JP 1976-124381		19761015
FR 2327778	A1	19770513	FR 1976-31040		19761015
FR 2327778	B1	19781215			
AT 7902625	A	19791215	AT 1979-2625		19790409
AT 357525	B	19800710			
PRIORITY APPLN. INFO.:			DE 1975-2546165	A	19751015
			AT 1976-7655	A	19761014

OTHER SOURCE(S): MARPAT 87:53265
GI



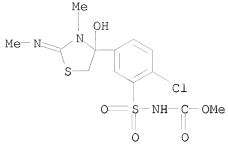
I

AB Thiazolidines I [R = Me, Et, MeO, EtO, MeNH, BuNH, Pr2N, cyclopentylamino, cyclohexylamino, piperidino; R1 = Br, Cl; R2 = Me, Et, Pr, H2C:CHCH2; R3 = Me, Et, iso-Pr, iso-Bu, H2C:CHCH2, Pr, PhCH2, PhCH2CH2, MeCH(OMe)CH2, cyclohexyl; R2R3 = CH2CH2, CH2CH2CH2], useful as diuretics (no data), are prepared by cyclocondensation of the appropriate 2,4'-dihaloacetophenone with a suitable 2-thiourea derivative Thus, reaction of Ac2O with 3,4-(H2NSO2)ClC6H3COMe gives 3,4-(AcHNSO2)ClC6H3COMe which is brominated to give 3,4-(AcNHSO2)ClC6H3COCH2Br (II). Reaction of II with MeNHCSNHMe in EtOH at 45-50° and overnight standing at 20° gives I (R = R2 = R3 = Me, R1 = Cl).

IT 63398-64-1P 63398-65-2P 63398-66-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

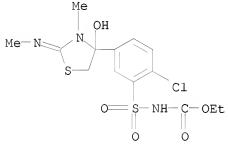
RN 63398-64-1 CAPLUS

CN Carbamic acid, [[2-chloro-5-[4-hydroxy-3-methyl-2-(methylimino)-4-thiazolidinyl]phenyl]sulfonyl]-, methyl ester, monohydrobromide (9CI) (CA INDEX NAME)



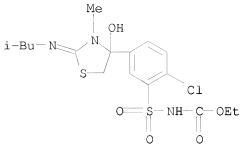
● HBr

RN 63398-65-2 CAPLUS
CN Carbamic acid, [[2-chloro-5-[4-hydroxy-3-methyl-2-(methylimino)-4-thiazolidinyl]phenyl]sulfonyl]-, ethyl ester, monohydrobromide (9CI) (CA INDEX NAME)



● HBr

RN 63398-66-3 CAPLUS
CN Carbamic acid, [[2-chloro-5-[4-hydroxy-3-methyl-2-[(2-methylpropyl)imino]-4-thiazolidinyl]phenyl]sulfonyl]-, ethyl ester, monohydrobromide (9CI) (CA INDEX NAME)



● HBr

L12 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1971:53511 CAPLUS <<LOGINID::20080430>>
DOCUMENT NUMBER: 74:53511
ORIGINAL REFERENCE NO.: 74:8617a,8620a
TITLE: Antiepileptic succinimidohalobenzenesulfonamides
INVENTOR(S): Pfirrmann, Rolf W.
PATENT ASSIGNEE(S): Geistlich, Ed., Soehne A.-G. fuer Chemische Industrie
SOURCE: Ger. Offen., 37 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2029821	A	19701223	DE 1970-2029821	19700616
GB 1319772	A	19730606	GB 1969-30915	19690618
ZA 7003784	A	19710428	ZA 1970-3784	19700604
CH 540250	A	19730928	CH 1970-9011	19700615
BE 752109	A	19701217	BE 1970-752109	19700617
NL 7008893	A	19701222	NL 1970-8893	19700617
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NL 166016	C	19810615		
FR 2052984	A1	19710416	FR 1970-22251	19700617
FR 2052984	A5	19710416		
SU 374821	A3	19730320	SU 1970-1455729	19700617
ES 380854	A1	19730401	ES 1970-380854	19700617
AT 309408	B	19730827	AT 1970-5458	19700617
US 3789056	A	19740129	US 1970-47161	19700617
JP 49027579	B	19740718	JP 1970-51967	19700617
SE 379763	B	19751020	SE 1970-8426	19700617
DK 138600	C	19790312	DK 1970-3125	19700617
DK 138600	B	19781002		
CS 172351	B2	19761229	CS 1970-4263	19700618
PRIORITY APPLN. INFO.:			GB 1969-30915 A	19690618
			GB 1970-30915 A	19700608

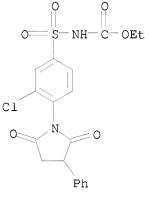
GI For diagram(s), see printed CA Issue.

AB The title compds. (I) having spasmolytic activities at slight and heavy epileptic attacks and having low toxicity were prepared by condensing the corresponding aniline and succinic acid derivs. Thus, 3-chloro-4-aminobenzenesulfonamide and α-methylsuccinic acid was heated at 190°, until H2O evolution had ceased, to give I (R = H, R1 = Me, X = 2-Cl, R2 = 4-SO2NH2). Similarly prepared were .apprx.40 other I (R2 = SO2NR3R4) analogs.

IT 30279-54-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 30279-54-0 CAPLUS

CN Carbamic acid, [[3-chloro-4-(phenylsuccinimido)phenyl]sulfonyl]-, ethyl ester (8CI) (CA INDEX NAME)



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